UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

S
PLANS
~~Shasta~~ Klamath
Timber Management
Ball Mtn. W. C.

January 28, 1952

STREAMLINED MANAGEMENT PLAN

BALL MOUNTAIN WORKING CIRCLE

SHASTA NATIONAL FOREST

TIMBER MANAGEMENT
FILE COPY

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M—5123 U. S. GOVERNMENT PRINTING OFFICE 8—7417

S
PLANS - Shasta
Timber Management
Ball Mountain Working Circle

Mount Shasta, California
January 28, 1952

STREAMLINED MANAGEMENT PLAN

BALL MOUNTAIN WORKING CIRCLE

SHASTA NATIONAL FOREST

Submitted by:

C. A. Abell

C. A. Abell, District Forest Ranger

Vance S. Brown

Vance S. Brown, Forester

Approved by:

Roberts E. Jones

Roberts E. Jones, Forest Superv.

Feb 15, 1952

W. Branch

ACTING ~~Assistant~~ Regional Forester

MAR 10 1952, 1952

1 approved copy returned 3/10/52
1 cc Chief 3/21/52

Allowable cut is ...
Prepared February 1960

CUTTING BUDGET AND SALES PROGRAM

(To Be Revised Annually By February 15)

Klamath Forest

Ball Mtn. & Goosenest Blocks

Fiscal Year 1960 Through 1965

Goosenest

All Cat logging in this program

Sale Designation or Proposed Sale	Date To Be Advertised	Volume & Area		Fiscal Year Estimated Cut By Year (MM)					Access Road Construction Required					
									Forest Service			Purchaser		
		MM	Acres	1960	1961	1962	1963	1964	Road No.	Miles	Cost	Road No.	Miles	Cost
				2nd Half)					1965					
Under Contract														
Willow Creek Mtn.	-	9.7	1,355	2.8								46N10	(SH-16) 1.52	10,517.53
Bull Mdw. #2	-	8.9	880		8.4							45N22	(SL-12) 4.96	16,295.00
Wild Horse Mtn.	-	.8	829	.3								--	--	--
Proposed Sales:														
2nd Half F.Y. 1960														
Bear Wallow	5/15/60	15.5	2,390		8.0	7.5						(SH-16) 46N10 .97 (SL-12) 46N07 3.0 46N07A 3.8		6,700.00 6,000.00 3,000.00
1st. Half F.Y.1961														
Jaqnita Lake	8/15/60	4.5	1,180		4.5							(SH-16) 46N04 3.8 (SL-12) 46N04A 5.3		19,500.00 6,900.00
Smith Springs	10/30/60	8.0	1,650			8.0	(Will not go on public program w/o R/W)					(SH-16) 46N20 3.0		20,757.00
Totals- Sub		47.4	8,884	3.1	20.9	15.5								

Instructions: Include all sales under contract and sales proposed for advertising during budget period. Show sale volume to nearest tenth of MM feet and area of sale in acres for proposed sales, and uncut volume and area for existing sales. Show miles of required "on-system" road construction and estimated cost by project and sale. Indicate all sales not chargeable to allowable annual cut by footnote, as 1/ Salvage, or 2/Thinnings in immature stands.

At least 1 salvage sale for C.Y. 1960

Allowable cut 22 MMBM
Prepared February 1960

CUTTING BUDGET AND SALES PROGRAM

(To Be Revised Annually By February 15)

Klamath Forest

Ball Mtn. & Goosenest Blocks

Fiscal Year 1960 Through 19 65

Goosenest

All Cat logging in this program

Sale Designation or Proposed Sale	Date To Be Advertised	Volume & Area		Fiscal Year Estimated Cut By Year (MM)					Access Road Construction Required					
									Forest Service			Purchaser		
		MM	Acres	1960 (2nd half)	1961	1962	1963	1964	Road No.	Miles	Cost	Road No.	Miles	Cost
									85					
2nd. Half F.Y. 1961														
Little Glass Mtn.	5/30/61	7.0	980			7.0						44N50	2.5	10,000
F.Y. 1962														
Little Shasta		7.0	1,250				7.0					46N12	3.0	19,850
F.Y. 1963														
Shingle Springs							5.0					43N15	4.3	8,600
Totals -Sub.		14.0	2,230			7.0	12.0							

Instructions: Include all sales under contract and sales proposed for advertising during budget period. Show sale volume to nearest tenth of MM feet and area of sale in acres for proposed sales, and uncut volume and area for existing sales. Show miles of required "on-system" road construction and estimated cost by project and sale. Indicate all sales not chargeable to allowable annual cut by footnote, as 1/ Salvage, or 2/Thinnings in immature stands.

At least 1 salvage sale for C.Y. 1960

CUTTING BUDGET AND SALES PROGRAM

(To Be Revised Annually By February 15)

Klamath Forest

Ball Mtn. & Goosenest Blocks

Goosenest

Fiscal Year 19 60 Through 19 65

Sale Designation or Proposed Sale	Date To Be Advertised	Volume & Area		Fiscal Year Estimated Cut By Year (MM)					Access Road Construction Required					
									Forest Service			Purchaser		
		MM	Acres	1960	1961	1962	1963	1964	Road No.	Miles	Cost	Road No.	Miles	Cost
									1965					
Pumice Stone Mtn.		8.0					8.0					44N50	1.5	2,250.00
F.Y. 1964														
Herd Peak		6.0	960					6.0				(44N33	2.7	13,500.00
												(44N33B	0.9	1,200.00
East Shovel Creek		7.0	2,240					7.0				(47N04	0.6	4,200.00
												(47N04A	3.7	24,500.00
Little Mt. Hoffman		9.0						9.0				44N50	1.8	2,850.00
F.Y. 1965														
Shake Camp #2		6.0	1,600						6.0			47N05C	3.1	12,400.00
Badger Peak		8.0							8.0			44N50	1.3	1,900.00
Pomeroy Creek		7.0							7.0			43N15	4.5	13,500.00
Totals Grand		51.0	4,800	3.1	20.9	22.5	20.0	22.0	22.0					

Instructions: Include all sales under contract and sales proposed for advertising during budget period. Show sale volume to nearest tenth of MM feet and area of sale in acres for proposed sales, and uncut volume and area for existing sales. Show miles of required "on-system" road construction and estimated cost by project and sale. Indicate all sales not chargeable to allowaole annual cut by footnote, as 1/ Salvage, or 2/Thinnings in immature stands.

KLAMATH NATIONAL FOREST

RIGHTS-OF-WAY TO BE ACQUIRED

(F.Y. 1960 -1965 Sales Program)

District Goosenest Date: 2/7/60

F.Y.	Sale Name	Road Name & No.	Name of Landowner	Date to be Obtained	Remarks
1961	Bear Wallow	Smith Springs (46N10) Lookout (46N07)	None		
	Juanita Lake	Standard Mill(46N04) (46N04A)	None		
	Smith Springs	Smith Springs (46N10)	International Paper Co., Long-Bell Div.	6/1/60	John Mantle of I. P. Co. has the necessary papers in his possession but has not acted on them.
	Little Glass Mtn.	None (44N50)	None		
1962	Little Shasta	(46N12)	None		
1963	Shingle Springs	(43N15)	International Paper Co. Long-Bell Div. and Southern Pacific Land Co.	6/1/61	
	Pumice Stone Mtn.	None (44N50)	None		
1964	Herd Peak	Herd Peak (44N33) (44N33B)	International Paper Co., Long-Bell Div. and Ralph L. Smith Lbr. Co.	6/1/62	

KLAMATH NATIONAL FOREST

RIGHTS-OF-WAY TO BE ACQUIRED

District: Goosenest (F.Y. 1960-1965 Sales Program) Date: 2/7/60

F.Y.	Sale Name	Road Name & No.	Name of Landowner	Date to be Obtained	Remarks
1964	East Shovel Creek	(47N04)	None		
	Little Mt. Hoffman	None (44N50)	None		
1965	Shake Camp #2	(47N05-C	American Forest Products Corp.	6/1/63	
	Badger Peak	None (44N50)	None		
	Pomeroy Creek	(4315)	International Paper Co., Long Bell Div. and Southern Pacific Land Company	6/1/63	

Prepared Jan. 59

CUTTING BUDGET AND SALES PROGRAM

(To Be Revised Annually By February 15)

Fiscal Year 19 59 Through 19 64

Klamath Forest

Ball Mt. W.C.

Goosenest R.D.

Sale Designation or Proposed Sale	Date To Be Advertised	Volume & Area		Fiscal Year Estimated Cut By Year(MM)						Access Road Construction Required					
										Forest Service			Purchaser Standard		
		MM	Acres	1959 (2nd Half)	1960	1961	1962	1963	1964	No.	Miles	Cost	Road No.	Miles	Cost
UNDER CONTRACT:															
Lower Parker Creek	-	6.5	640	3.0	3.5								4657	(3.4)	SH-16
Proposed Sales:															
2nd. Half 1959															
Willow Creek	5/30/59	7.0	1460		7.0								46N11	2.0	SH-16
1st. Half FY 1960															
Bear Wallow	10/25/59	12.0	1600			6.0	6.0						46N07	3.0	SH-16
													46N07A	2.6	SL-12
F.Y. 1963															
Shake Camp #2		6.0	1600					6.0					27N05C	3.1	SL-12
F.Y. 1964															
East Shovel Creek		7.0	2240						7.0				47N04	0.6	SH-16
													47N04A	3.7	SH-16
Totals	-	38.5	7540	3.0	10.5	6.0	6.0	6.0	7.0				-	15.0	-

Instructions: Include all sales under contract and sales proposed for advertising during budget period. Show sale volume to nearest tenth of MM feet and area of sale in acres for proposed sales, and uncut volume and area for existing sales. Show miles of required "on-system" road construction and estimated cost by project and sale. Indicate all sales not chargeable to allowaole annual cut by footnote, as 1/ Salvage, or 2/Thinnings in immature stands.

254-R5-MAY 1958

S
PLANS - Shasta
Timber Management
Ball Mountain W.C.

January 28, 1952

STREAMLINED MANAGEMENT PLAN
BALL MOUNTAIN WORKING CIRCLE
SHASTA NATIONAL FOREST

1. Resource Data

Ownership within Working Circle

Total Area	109,306 acres
National Forest	52,085 acres
Public Domain	4,491 "
Private	52,730 "

Classes of Land, National Forest Area

	N.F	Other
Total Area	52,085 acres	57,221 a
Productive Forest Land	37,033 acres	35,174
Less than 5% Stocked	7,565 "	5,257
Non-commercial Land	7,487 "	16,790

Stand on National Forest Area

	Stand M ft.	
Virgin	235,818	16,299 acres
Cut-over	196,702	28,299 "

Volumes on National Forest Uncut Areas

White Pine	1,805 M feet
Ponderosa Pine	38,783 "
Sugar Pine	6,527 "
White Fir	58,847 "
Douglas Fir	21,221 "
Incense Cedar	3,302 "
Red Fir	74,943 "
Species Unknown	30,390 "
	235,818 "

In addition to the above volumes on National Forest lands, it is estimated that private lands support approximately 338 million feet b.m.

TM Files

JAN 28 1952

Net annual growth is estimated to be 5,252M board feet on National Forest and 5,276M board feet on private lands. These figures are based on the data on growth by type, site, and age-density class given in Edmond's summary (5/27/48) of the 1946 Ball Mountain timber survey findings. Gross growth, arrived at by Edmonds through use of the growth alignment charts, was reduced by 20% to take care of estimated losses. It should be possible to hold losses to some such figure by risk cuttings and timely salvage.

Forest types and unproductive land are shown on Map 1. Privately owned land and cut-over National Forest are shown on Map 2. Uncut National Forest, proposed sale areas and cutting budget for remaining virgin timber show on Map 3. Areas of National Forest land and private land by age-density classes are shown in Table 2.

2. Transportation

There is one timber access road in the working circle and, in general, other parts of the unit are reasonably accessible to roads so that no need for major construction is foreseen. Side roads needed are indicated on the cutting budget map (#3).

3. Silviculture

Initial cutting in mixed conifer stands has aimed to remove high risk trees. The initial cutting in fir stands has been aimed principally at removing conky trees and would probably be classed as salvage - high risk cutting. Details of these methods may be found in the Region 5 Timber Management Handbook.

It is anticipated that cutting will continue along these lines.

4. Annual Cut

The remaining virgin timber covers approximately 16,299 acres and is mostly in highly defective fir stands. Under present methods of marking these would yield a cut of about 60 million feet. It would seem to the best interest of the government, and in accord with policies expressed in the Timber Management Handbook, to cut these virgin stands lightly and at a fairly rapid rate. This is for the reason that such old growth stands are adding little, if any, net volume and the only way to make them productive is to remove the rotten trees which contribute most of the minus increment.

Following this line of reasoning we have planned to cut over the remaining virgin stands in a 10-year period. This would yield an annual cut of 6 million feet for the remainder of the first cutting cycle. This is 1.14 times the calculated annual net growth. The location of areas to be cut and the sequence of cutting is shown on Map 3. Details of the cutting budget for the first 5 years is shown in tabular form in Table 1.

Amended 5/20/52

JAN 28 1952

At the end of the 10-year period, or in 1963, the cut would be reduced to the 5¼ million feet net growth estimate, or better still, to some more accurate estimate of growth which we hope to get in the meantime. (Existing contracts will take care of the cut for 1952.)

5. Sale Policy

It is proposed to offer sawlog timber for sale each two years. The size of the sale would be approximately 12 million feet, to be cut at the annual rate of 6 million feet. Extending the period of the contract to two years would give the operator more chance to use his road building equipment efficiently, give the newly constructed roads time to settle before use, and leave us with better utilization and protection roads after the logging is finished.

We would plan to continue the practice of scheduling logging down in the Bogus Creek drainage for early season to avoid operating in that area of high hazard during the normal summer period of high fire danger. This scheme results in two logging areas for each year, one in mixed conifer in Bogus Creek and one in fir on top of the mountain.

6. Cutting Budget

(See Map 3, also Cutting Budget form attached)

Amended 5/20/52

Management Plan 1/28/52

BALL MOUNTAIN Working Circle — KLAMATH National Forest

Five-year Cutting Budget and Sale Program C.Y. 1955-1956-1957-1958-1959 Inclusive.
(Show all sales under contract and sales proposed for advertising by year.)

Name of Sale or Proposed Sale & Date of Advertisement	Total Volume in Sale MBM	Estimated Cut for Each C.Y. 1955-1956-1957-1958-1959 Year	MBM	Acres	Access Road Construction (on System & M-4 Roads) Each Year — By Forest Service: Road Number	Miles	Cost	By Operator: Road Number	Miles	Cost
* T46N R4W Secs. 11, 12, 13, 14, 15	10,000	1956	7.0	2520				4657	6.5	40,000
T47N R4W Sec. 13, T47N R3W Sec. 8, 17 T46N R3W Sec. 8, 17, 20	3.8	1957	6.8	1010				4751	1.0	12,000
T46N R3W Sec. 16, 21 T46N R4W Sec. 31,	6.6	1958	6.6	1180				4751		
T46N R3W Sec. 10, 15, 22 T46N R4W Sec. 3,	6.5	1959	6.5	1510				4653 4753 4755	1.0 6.8 3.0	11,320 73,000 9,000
T46N R3W Sec. 9, 10 T47N R4W Sec. 9,	7.0	1960	7.0	1350				4757	7.9	49,000

Approved _____

Revised: _____ (Date)

By: _____

254-R5 Revised 12-27-54
Supersedes Revision 12-22-53

* Will sell in 1956

SEP 3 1956

Ball Mountain Working Circle — Klamath National Forest

Five-year Cutting Budget and Sale Program C.Y. 1955-1956-1957-1958-1959 Inclusive.
(Show all sales under contract and sales proposed for advertising by year.)

Name of Sale or Proposed Sale & Date of Advertisement	Total Volume in Sale MBM	Estimated Cut for Each C.Y. 1955-1956-1957-1958-1959			Access Road Construction (on System & M-4 Roads) Each Year					
					By Forest Service			By Operator		
		Year	MBM	Acres	Road Number	Miles	Cost	Road Number	Miles	Cost
Parker Creek-Willow Cr. Mt.	20,000	55-57	6,000	650				4657	6.5	$40,000
Hell's Canyon #3	6,000	58	6,000	650				4757	7.9	$49,000
Steep Trail Creek	6,000	59	6,000	650				4753	6.8	$73,000

Approved _____

Revised: _____ (Date)

By: _____

254-R5 Revised 12-27-54
Supersedes Revision 12-22-53

TABLE 1

JAN 15 1954

BALL MT. WORKING CIRCLE

SHASTA NATIONAL FOREST

FIVE-YEAR CUTTING BUDGET AND SALE PROGRAM (C. Y. '54-58 INCLUSIVE)

(Show Sale and Planned Cut By Calendar Year)

Name of Sale or Proposed Sale	Total Volume in Sale M.B.M.	Estimated Cut by Year			Operator Construction or Major Reconstruction FRD System		
		Year	MBM	Acres	Road Number	Miles	Cost
Asso. L+B Co. (Pro) T47NR4W. Sec. 21, 27, 33 T46NR4W. Sec 1, 11, 12 T46NR3W. Sec 5, 8	6,000	'54	6,000	920	4702	3.1	
Asso. L.+B.Co. (pro) T47NR4W. Sec 33 T46NR3W. Sec 16, 21	6,000	'55	6,000	1200	4702A	3.0	
Asso. L.+B.Co. (pro) T46NR4W. Sec 3 T46NR3W. Sec. 10, 14, 15.	6,000	'56	6,000	1200	—	3.0	
Asso. L.+B.Co. (pro) T46NR4W. Sec 9.		'57	6,000	500			
T47NR3W Sec 32	12,000	58	6,000	500	4607	6.5	

Revised Jan. 15 1954
(Date)

By C.A. Abell
VSA

Title D.R.

254-R5-12/22/53

JAN 28 1952

TABLE 2

Areas by Age-Density Classes

Age-Density Class	National Forest 1/ Acres	Private Acres	
01	203	-	
02	505	57	
03	39	49	
04	-	87	
0Y1	1,640	642	
0Y2	3,454	3,449	
0Y3	2,439	2,002	
0Y4	721	799	
Y01	2,024	820	
Y02	4,343	3,208	
Y03	9,207	12,631	
Y04	2,321	6,767	
Y1	961	108	
Y2	846	153	
Y3	3,035	687	
Y4	2,783	1,100	
Y5	2,512	2,615	
Total Productive	37,033	35,174	
5	7,565	5,257	Less than 5% Stock.
N	1,876	4,825	Not Timber Cropland
N+	2,798	7,564	" " "
N-	2,813	4,401	" " "
Total Non-Productive	15,052	22,047	
TOTAL	52,085	57,221	

1/ Original figures in Howden's table have been adjusted to take care of National Forest area cut over since photos, also including area that will be cut over by Associated under '50 and '51 sales.

MAY 20 1952

JAN 28 1952

TABLE 3

Calculation of growth on National Forest Lands

a. Pine Type

Condition	Area Sampled	Gross Annual Growth Total	Gross Annual Growth Per Acre	Net Annual Growth 1/
Cut-over	5,991 acres	921.1 M ft.	154 bd. ft.	123
Virgin	1,991 acres	276.7 M ft.	139 bd. ft.	111
	7,892 acres	1,197.8 M ft.	150 bd. ft.	120

Present productive cut-over assumed to be largely pine type for calculation of growth.

20,734 acres productive cut-over x 111 bd. ft. = 2,301,474
5,433 acres virgin x 123 bd. ft. = 668,259
Total estimated annual net growth pine type = 2,969,733

b. Fir type

Condition	Area Sampled	Gross Annual Growth Total	Gross Annual Growth Per Acre	Net Annual Growth 1/
Virgin	5,337 acres	1,395.9 M ft.	262 bd. ft.	210

10,866 acres virgin x 210 bd. ft. = 2,281,860

c. Total net growth on 37,033 productive acres = 5,251,593 bd. ft.

Calculation of growth on private lands

Type and condition	Area Sampled Acres	Gross Growth MBM
Pine - virgin	4,695	898.9
Pine - cutover	5,991	921.1
Fir - virgin	1,382	492.6
Fir - cutover	1,544	243.0
Total	13,612	2,555.6

Average growth per acre 188
Less 20% for mortality 38
Net growth per acre 150
35,174 productive acres x 150 bd. ft. = 5,276 M

1/ Net growth = Gross growth less 20% for mortality

Amended 5/20/52

APPENDIX

Exhibit #1

RECORD OF CUT - SAWTIMBER
(Separate sheet for each unit.)

Forest Klamath-Goosenest
Working Circle All
Compartment

YEAR 1955	Volumes in M feet board measure: Ponderosa and/or Jeffrey Pine	Douglas Fir	White Fir and/or Red Fir	Sugar Pine	Lodgepole Pine	Incense Cedar	Miscellaneous or Other	TOTALS	ACRES
Ball Mt.	2,946	896	6,517	122	--	158	--	10,639	725
Goosenest	39	--	12	--	1	--	--	52	80
Total	2,985	896	6,529	122	1	158	--	10,691	805

R0-122-R5
(2/1/52)

Attachment January 13, 1956

Exhibit #1

RECORD OF CUT - SAWTIMBER
(Separate sheet for each unit.)

Forest Klamath - Goosenest
Working Circle ALL
Compartment

XXXXX	Volumes in M feet board measure								
	Ponderosa and/or Jeffrey Pine	Douglas Fir	White Fir and/or Red Fir	Sugar Pine	Lodgepole Pine	Incense Cedar	Miscellaneous or Other	TOTALS	ACRES
Bell Mountain	261	180	3,726	76	9	31,520	-	4,283	144
Goosenest	-	-	-	-	-			-	-
TOTAL	261	180	3,726	76	9	31,520	-	4,283	144

TM, RO, February 1, 1952

Attachment 1 TM/95

Exhibit #1

RECORD OF CUT - SAWTIMBER
(Separate sheet for each unit.)

Forest Shasta
Working Circle Ball Mountain
Compartment

YEAR	Volumes in M feet board measure							TOTALS	ACRES
	Ponderosa and/or Jeffrey Pine	Douglas Fir	White Fir and/or Red Fir	Sugar Pine	Lodgepole Pine	Incense Cedar	Miscellaneous or Other		
1952	529	725	6,277	213	-	58	-	7,802	1,560 ✓
1953	451	351	6,848	133	-	94	-	7,877	70 *✓

✓ 1953 relogging windthrow on previous cut-over.

TM, RO, February 1, 1952

MAY 20 1952

Exhibit #2

Forest Shasta

CUMULATIVE RECORD OF CUT - SAWTIMBER Working Circle Ball Mountain

YEAR	Volume MBM		Acres		Volume MBM		Acres		Volume MBM		Acres	
	Current	Cumulative	Current	Cumulative	Current	Cumulative	Current	Cumulative	Current	Cumulative	Current	Cumulative
'52	7802	7802	1560	1560								
53	7877	15679	70	1630								

Total Annual Allowable Cut: 6,000 M

TM, RO, February 1, 1952

MAY 20 1952

Forest Shasta
Working Circle Bell Mountain
Compartment

Exhibit #3

RECORD OF UNREGULATED TIMBER AND FOREST PRODUCTS CUT

YEAR	Miscellaneous Convertible Products - Volumes M Feet B.M.							Non-convertible Products	
	Pulpwood or Similar	Poles	Posts	Fuelwood Cordwood	Ties	Misc. or Other	TOTAL MBM	Christmas Trees No. Trees	Miscellaneous

TM, RO, February 1, 1952

MAY 20 1952

R. 4 W. R. 3 W. 122°10' R. 2 W. R. 1 W.

T 48 N

T 47 N

T 46 N

T 45 N

Pleasant Valley

Secret Spring Mt.

Dorris

Gillis

Picard

LINE

PACIFIC SOUTHERN

Secret Spr.

Spannus Spr.

Grouse Spr.

McGavin Peak

Sams Neck

Canyon

DESERT RANCH

SPRING SCHOOL

WATER TANKS

SNAKE CAMP

BEAR CANYON R.S.

WATER TANK

Upper Crossing

Eagle Rock

Black Rock

Ikes Mt.

BUTTE VALLEY

Meiss Lake

MEISS RANCH

Juniper Knoll 4573

Macdoel

Mt. Hebron

Lake Juanita

Bear Wallow

Little Shasta Mdw.

Willow Cr. Mt.

Panther Rock

MARTIN DAIRY

Ball Mt. 7786

PRATHER RANCH

MILLS RANCH

SCHMIDT SAWMILL

Smith Spr.

Bull Mdw.

OLD HOFFMAN MILL

DAVIS CABIN

Goose Nest 8289

Table Rock 3727

Little Deer Mt. 6068

WILLOW 4105

SOLOMON 3902

HOVEY GULCH SCHOOL

Sylva

Grete

Shasta Valley

Klamath River

Beaver Creek

Dewey Gulch

Horsethief Cr.

Parker Cr.

Slate Cr.

Trail Cr.

Juniper Cr.

Bear Cr.

Willow Cr.

Spr.

Res.

Dam

Cabin

Ranger Camp

Chandler Glade

Lookout

Trail

Road

Jeep Trail

Pass

Mine

Ranch

Sch.

BM 4263

BM 4259

BM 4257

BM 4325

BM 3581

BM 3901

BM 3392

BM 5686

BM 2864

BM 2805

BM 3778

S-PLANS-Shasta-Timber Management-Ball Mtn. Working Circle
Map to accompany Streamlined Management Plan dated 1/28/52.

BALL MOUNTAIN WORKING CIRCLE

SHASTA NATIONAL FOREST

TYPE MAP

LEGEND

- Working circle boundary
- Non commercial
- Less than 5% stocked
- Fir
- Mixed conifer

TIMBER MANAGEMENT

FILE COPY

2/15 CAA. E.T.D.

4/50

R. 4 W. R. 3 W. R. 2 W. R. 1 W.

T 48 N

T 47 N

T 46 N

S-PLANS-Shasta-Timber Management-Ball Mtn. Working Circle.
Map to accompany Streamlined Management Plan dated 1/28/52.

BALL MOUNTAIN WORKING CIRCLE

SHASTA NATIONAL FOREST

OWNERSHIP AND CONDITION MAP

LEGEND

- Working circle boundary
- National forest
- Associated Lbr. & Box Co
- Other private & P. D
- Cut-over
- Non-productive

TIMBER MANAGEMENT
FILE COPY

3/1/52
C.A.A.
C.E.J.
E.A.D.

R. 4 W. R. 3 W. R. 2 W. R. 1 W.

T 48 N T 47 N T 46 N T 45 N

S-PLANS-Shasta-(Timber Management-Ball Mtn. Working Circle)
Map to accompany Streamlined Management Plan dated 1/28/52.

BALL MOUNTAIN WORKING CIRCLE

SHASTA NATIONAL FOREST

CUTTING BUDGET MAP

LEGEND

- Working circle boundary
- National forest mixed conifer
- National forest fir
- #1 Sale area one year
- Access road
- Existing secondary roads
- Needed roads

2/1/52
C.A.A.
C.J.
E.A.D.

TIMBER MANAGEMENT
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